



Kentucky Agricultural Statistics Service
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KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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Released weekly April through November

Issued 4:00 P.M., May 7, 2001

TNS 7-01

AGRICULTURAL NEWS: Hot and very dry! Temperatures were 7 degrees above normal for the first full week of May. Rainfall was also below normal across the State this past week. **Topsoil moisture**, as of Friday, May 4 was rated 37 percent very short, 47 percent short, 16 percent adequate. **Subsoil moisture**, was rated 28 percent very short, 49 percent short, 22 percent adequate and 1 percent surplus. **Days suitable for fieldwork** averaged 5.9 out of a possible 6 days. Even though the dry weather made fieldwork possible many farmers are slowing tobacco setting and crop seeding because of the lack of rain.

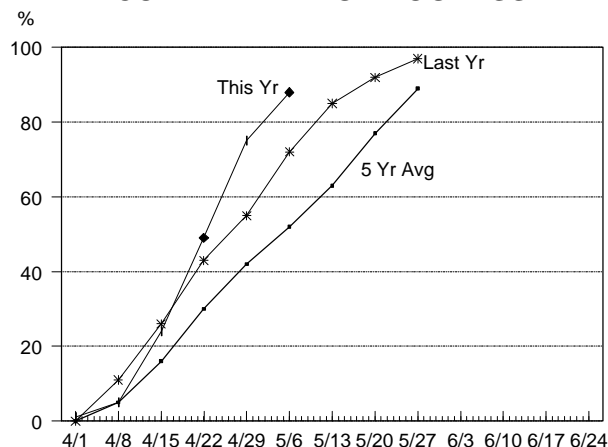
TOBACCO: Plant size of tobacco in beds and greenhouses was 32 percent less than 2 inches, 42 percent 2 to 4 inches and 26 percent larger than 4 inches. Ninety eight percent of producers indicated that there is an adequate supply of plants, while 2 percent estimate a short supply. Continued dryness in the eastern part of the State has started to delay tobacco planting. Conventional transplant beds are starting to show the effects of the dry weather. As of Sunday May 6, 10 percent of the intended burley tobacco has been set. Nine percent of dark tobacco has been set.

CORN: Planting was generally well ahead of schedule with 88 percent of the intended acreage seeded as of Sunday, May 6, compared to 72 percent last year and 52 percent for the five year average. Corn emerged was reported at 66 percent compared to 47 percent last year and 36 percent for the five year average. The emerged corn condition was rated 5 percent very poor, 9 percent poor, 30 percent fair, 47 percent good and 9 percent excellent.

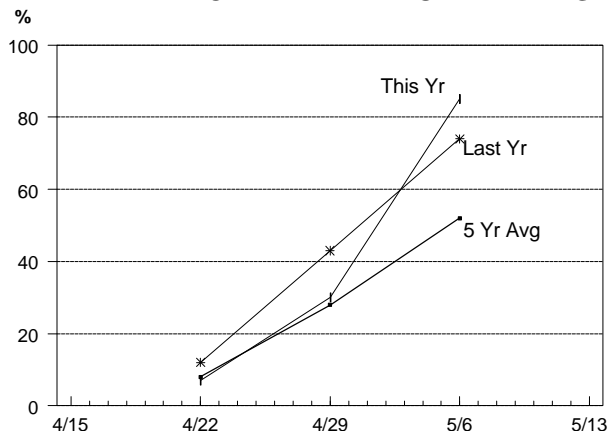
SMALL GRAINS & LEGUMES: About 85 percent of winter wheat was headed or is heading compared to 74 percent last year and 52 percent for the five year average. As of Friday, May 4 wheat condition was rated 1 percent very poor, 7 percent poor, 24 percent fair, 54 percent good and 14 percent excellent. The dry conditions have limited any disease pressure.

OTHER CROPS: **Pasture** condition was rated 9 percent very poor, 23 percent poor, 39 percent fair, 27 percent good and 2 percent excellent. **Hay** condition was rated 10 percent very poor, 22 percent poor, 40 percent fair, 25 percent good, and 3 percent excellent. Both pastures and hay fields are starting to show stress due to inadequate rainfall.

CORN PLANTING PROGRESS



WHEAT PERCENT HEADED OR HEADING



KENTUCKY CROP PROGRESS

WEEK ENDING MAY 6, 2001

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn					
Planted	88	72	52	75	28
Emerged	66	47	36	42	NA
Soybeans					
Planted	30	11	4	7	NA
Wheat					
Headed or Heading	85	74	52	30	20
Burley Tobacco Set	10	5	2	1	NA
Dark Tobacco Set	9	2	1	1	NA

(NA) Data Not Available.

SOIL MOISTURE

WEEK ENDING MAY 4, 2001

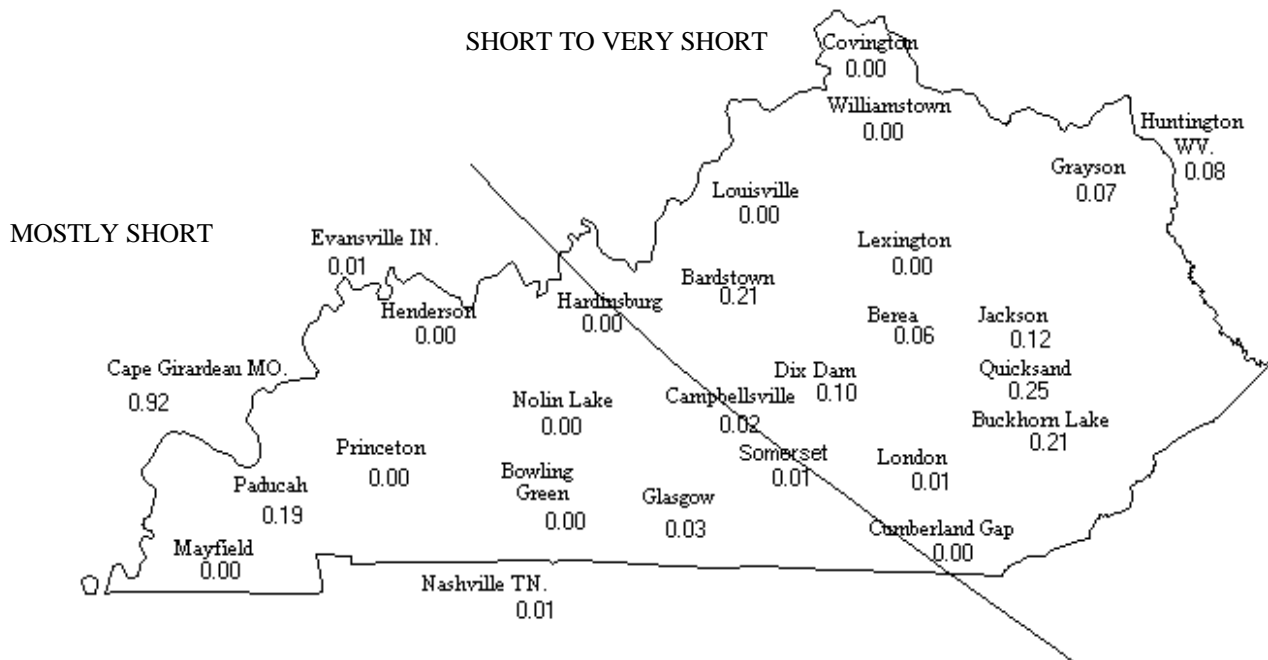
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	37	19
Short	47	37
Adequate	16	42
Surplus	0	2
SUBSOIL		
Very Short	28	14
Short	49	41
Adequate	22	43
Surplus	1	2

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING MAY 4, 2001					WEEK ENDING APRIL 27, 2001				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn Emerged	5	9	30	47	9	0	5	31	54	10
Wheat	1	7	24	54	14	1	2	22	57	18
Pasture	9	23	39	27	2	3	12	39	40	6
Hay Crops	10	22	40	25	3	3	13	34	42	8

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, MAY 6, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, MAY 4, 2001



KENTUCKY WEATHER SUMMARY, APRIL 30 - MAY 6, 2001:
ABOVE NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

Hot and Dry was the story last week with it being the 10th consecutive week of limited rainfall except for the evening hours on the last day of the time period when some areas of the State did receive rainfall. There were also record or near record highs in some areas of Kentucky adding problems to the dry conditions. As of April 30th the Palmer Drought Severity Index had Western Kentucky dropping to SEVERE hydrological drought conditions with Central and Bluegrass falling deeper in the MODERATE hydrological drought categories and East entering MILD drought conditions. The Crop Moisture Index for the same time also indicated that for agricultural purposes Kentucky has been dry enough to drop to the category of topsoil moisture short and germination slow.

Temperatures for the period averaged 69 degrees across the State which was 7 degrees ABOVE NORMAL. High temperatures averaged from 83 in the West to 83 in the East. Departure from normal high temperatures ranged from 6 degrees ABOVE NORMAL in the West to 11 degrees ABOVE NORMAL in the East. Low temperatures averaged from 56 degrees in the West to 53 degrees in the East. Departure from normal low temperature ranged from 4 degrees ABOVE NORMAL in the West to 2 degrees ABOVE NORMAL in the East.

Rainfall for the period totaled 0.09 inches statewide which was 0.96 inches BELOW NORMAL. Precipitation totals by climate division, West 0.19 inches, Central 0.04 inches, Bluegrass 0.05 inches and East 0.09 inches, which was 0.91, 1.05, 0.96 and 0.90 inches respectively BELOW NORMAL. By Kentucky station, precipitation totals ranged from a low of 0.00 inches at Bowling Green to a high of 0.25 inches at Quicksand.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL
FOR WEEK ENDING SUNDAY, MAY 6, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.21	2.17	0.88	-2.58	-2.83	86	44	68.9	+6	133	511	+121
Berea	0.06	1.56	0.82	-3.63	-3.23	86	51	69.0	+8	131	532	+136
Bowling Green	0.00	2.25	1.28	-3.03	-2.84	87	48	69.2	+7	133	547	+151
Bristol	0.22	1.83	1.05	-2.22	-2.12	86	44	66.9	+6	120	438	+84
Buckhorn Lake	0.21	2.31	1.15	-2.24	-2.40	86	38	67.6	+6	128	512	+158
Cape Girardeau	0.92	2.70	1.60	-2.73	-2.65	85	48	69.9	+5	137	562	+160
Campbellsville	0.02	2.38	0.89	-3.36	-3.59	87	50	69.4	+7	134	533	+137
Covington	0.00	1.58	1.12	-3.00	-2.46	86	45	69.4	+8	137	480	+156
Cumberland Gap	0.00	2.28	1.56	-2.73	-2.36	90	37	67.5	+6	126	510	+156
Dix Dam	0.10	1.69	0.77	-3.45	-3.24	87	47	69.4	+8	135	514	+124
Evansville	0.01	1.73	0.78	-3.21	-3.09	85	45	69.3	+5	135	544	+178
Glasgow	0.03	2.56	1.18	-2.97	-3.14	88	50	69.8	+7	135	548	+212
Grayson	0.07	1.48	0.53	-2.97	-2.96	87	47	69.3	+8	134	508	+190
Hardinsburg	0.00	1.72	0.77	-3.53	-3.33	86	47	70.1	+8	140	547	+151
Henderson	0.00	2.40	0.88	-2.74	-3.12	85	49	70.1	+5	140	560	+164
Huntington	0.08	1.52	0.51	-2.90	-2.95	87	45	68.7	+7	131	506	+152
Jackson	0.12	1.81	1.02	-3.16	-2.85	85	55	70.6	+9	142	521	+167
Lexington	0.00	1.14	0.37	-3.61	-3.34	89	45	70.0	+9	138	503	+179
London	0.01	1.81	0.68	-2.93	-3.02	85	50	67.1	+6	117	475	+121
Louisville	0.00	1.01	0.40	-4.11	-3.60	87	45	70.8	+8	146	546	+180
Mayfield	0.00	1.52	0.79	-4.50	-3.88	86	47	69.4	+5	135	526	+94
Nashville	0.01	2.43	2.33	-2.88	-1.82	85	54	70.4	+8	140	564	+132
Nolin Lake	0.00	1.96	1.08	-3.63	-3.30	87	47	69.4	+7	136	546	+156
Paducah	0.19	2.06	0.80	-3.91	-3.83	85	51	70.4	+6	141	574	+172
Princeton	0.00	2.31	1.06	-3.45	-3.42	86	42	70.1	+5	143	609	+183
Quicksand	0.25	2.21	1.07	-2.76	-2.80	85	38	67.6	+6	129	511	+157
Somerset	0.01	2.42	0.67	-2.91	-3.50	85	46	67.6	+6	123	510	+120
Spindletop	0.12	1.78	0.69	-2.97	-3.02	87	45	69.6	+8	138	480	+156
Williamstown	0.00	1.15	0.99	-3.85	-2.91	86	45	70.4	+9	143	514	+190

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

CURRENT EUROPEAN CORN BORER DEGREE DAY TOTALS & PREDICTED DATES FOR CERTAIN SPECIFIC VALUES

Location	Current DD Total	Overwintering		750	First 1660	1740	Second 1860
		550	610				
Bardstown	494	5/5	5/9	5/18	6/29	7/2	7/7
Berea	535	5/2	5/7	5/17	6/30	7/3	7/8
Bowling Green	558	AO	5/5	5/14	6/26	6/30	7/5
Bristol	452	5/9	5/13	5/22	7/3	7/6	7/11
Buckhorn Lake	516	5/4	5/8	5/18	6/30	7/4	7/8
Cape Girardeau	530	5/2	5/6	5/14	6/24	6/27	7/2
Campbellsville	552	AO	5/5	5/15	6/27	6/30	7/5
Covington	409	5/12	5/16	5/24	7/5	7/8	7/13
Cumberland Gap	544	AO	5/6	5/16	6/29	7/2	7/7
Dix Dam	497	5/5	5/10	5/19	7/1	7/4	7/9
Evansville	500	5/4	5/8	5/16	6/25	6/28	7/3
Glasgow	579	AO	5/3	5/13	6/26	6/29	7/4
Grayson	478	5/7	5/11	5/20	7/2	7/5	7/10
Hardinsburg	528	5/2	5/7	5/16	6/28	7/1	7/6
Henderson	543	AO	5/5	5/13	6/23	6/26	7/1
Huntington	474	5/7	5/11	5/21	7/2	7/5	7/10
Jackson	522	5/3	5/8	5/18	6/30	7/3	7/8
Lexington	460	5/8	5/13	5/21	7/3	7/6	7/11
London	469	5/7	5/12	5/21	7/2	7/5	7/10
Louisville	501	5/4	5/9	5/18	6/29	7/2	7/7
Mayfield	501	5/4	5/8	5/16	6/25	6/28	7/3
Nashville	608	AO	AO	5/11	6/24	6/28	7/3
Nolin Lake	546	AO	5/6	5/15	6/27	6/30	7/5
Paducah	559	AO	5/4	5/13	6/23	6/26	7/1
Princeton	628	AO	AO	5/9	6/20	6/23	6/28
Quicksand	505	5/4	5/9	5/19	7/1	7/4	7/9
Somerset	521	5/3	5/8	5/18	6/30	7/3	7/8
Spindletop	421	5/11	5/15	5/24	7/4	7/7	7/12
Williamstown	458	5/8	5/13	5/22	7/3	7/6	7/11

AO indicates event has already occurred. REAL data are used through 5-1-01 Beyond 5-1-01, NORMAL data are used (adjusted by forecast values). The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext. 245.

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